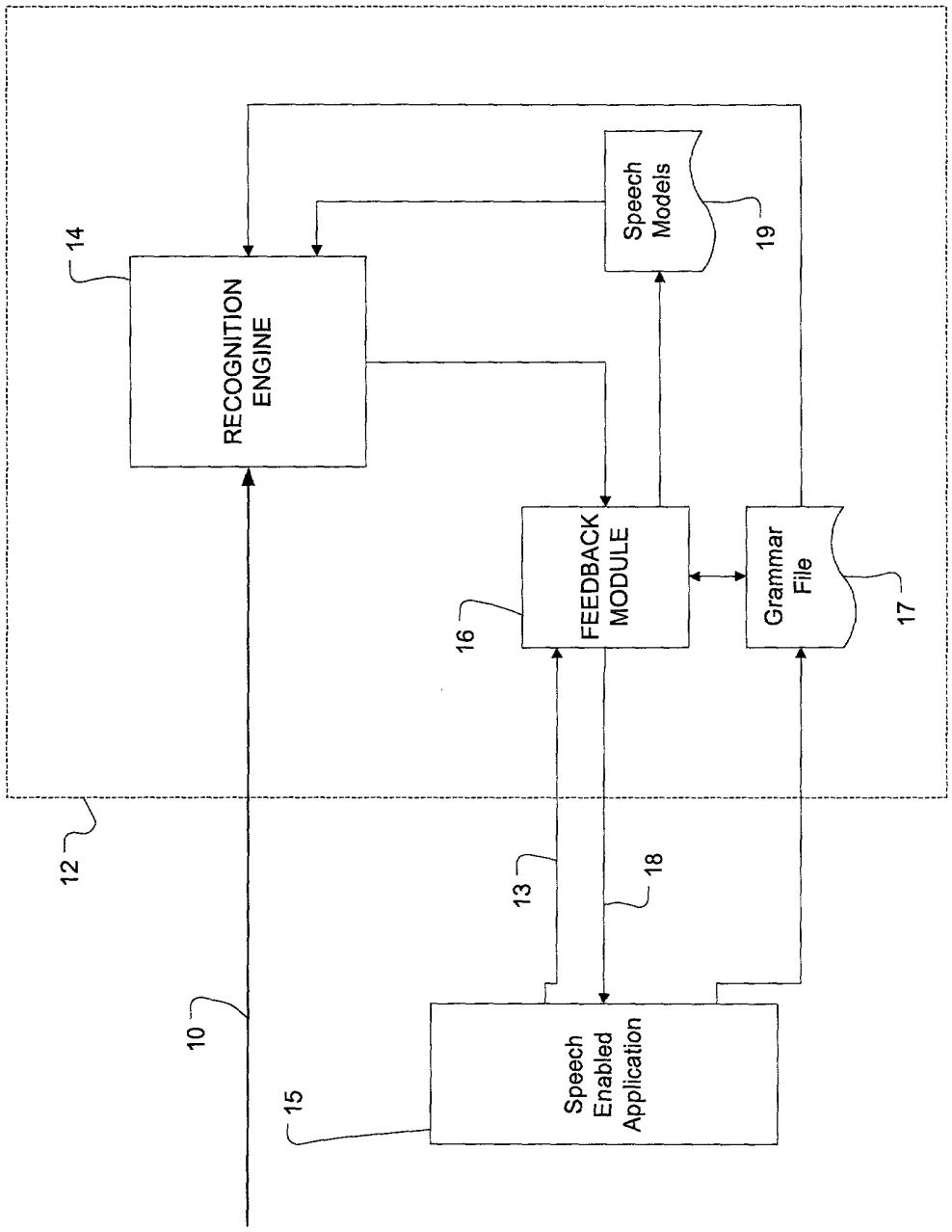

RECOGNITION ENGINE
14
Speech Models
19
FEEDBACK MODULE
16
Grammar File
17
12
13
18
10
Speech Enabled Application
15

FIGURE 1

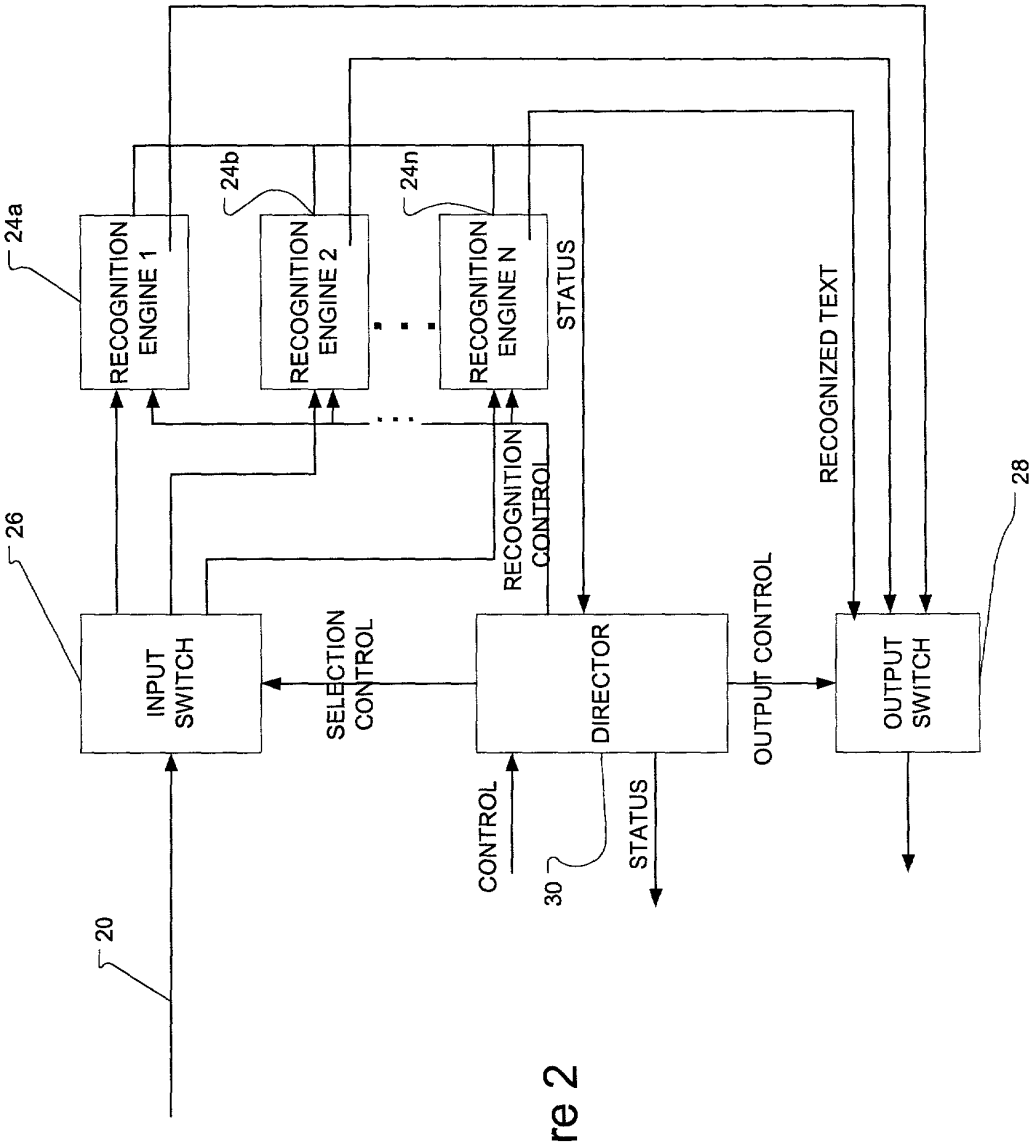

24a
RECOGNITION ENGINE 1
24b
RECOGNITION ENGINE 2
24n
RECOGNITION ENGINE N
STATUS
RECOGNIZED TEXT
26
INPUT SWITCH
SELECTION CONTROL
RECOGNITION CONTROL
DIRECTOR
OUTPUT CONTROL
OUTPUT SWITCH
28
CONTROL
30
STATUS
20

Figure 2

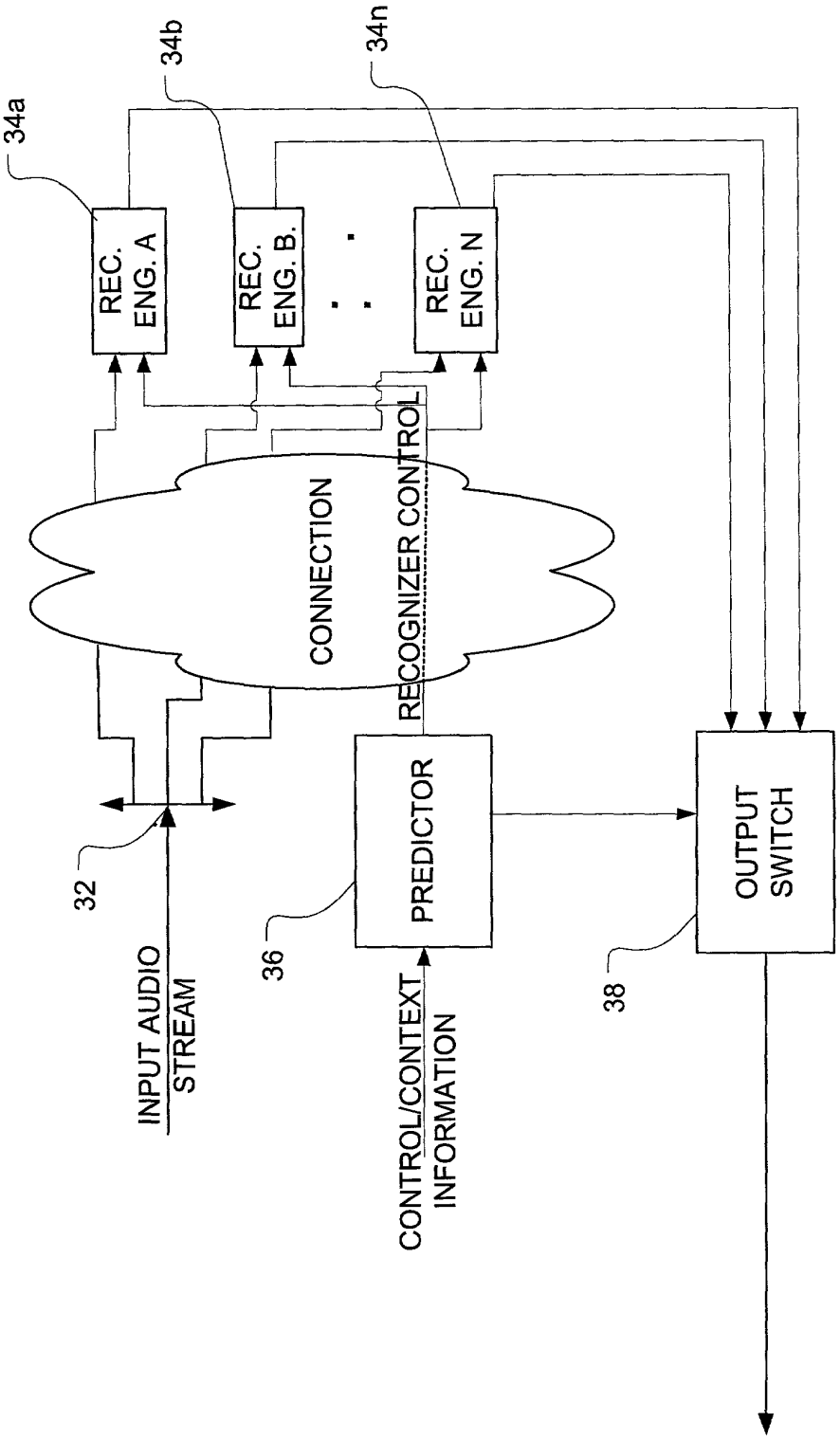
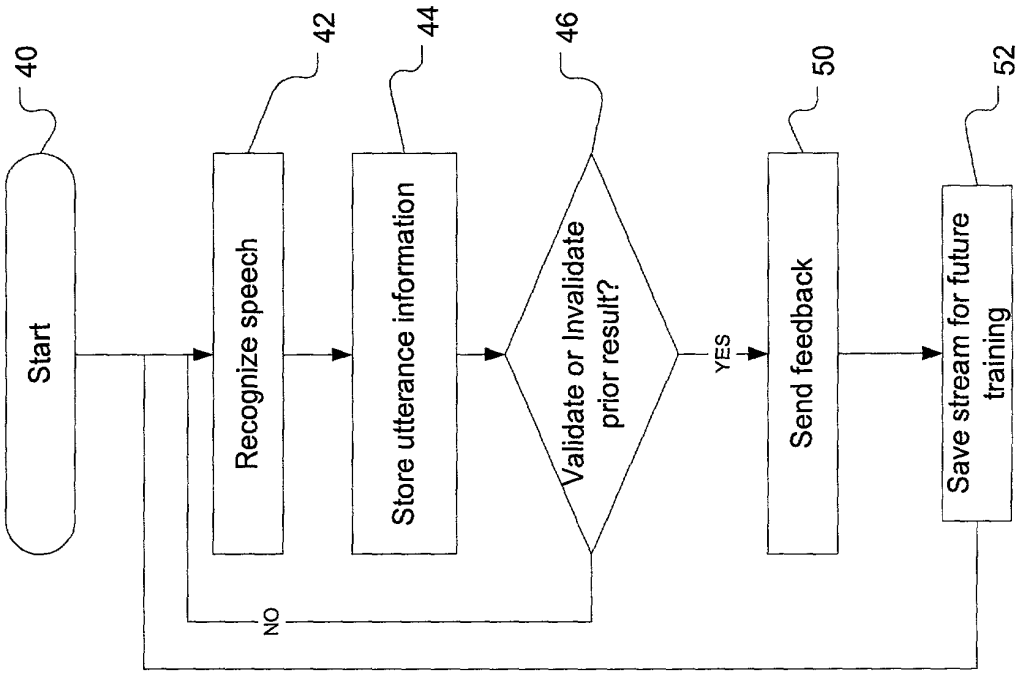

34a
34b
34n
REC. ENG. A
REC. ENG. B.
REC. ENG. N
CONNECTION
RECOGNIZER CONTROL
32
INPUT AUDIO STREAM
36
PREDICTOR
CONTROL/CONTEXT INFORMATION
38
OUTPUT SWITCH

Figure 3

Patent Application

FIGURE 4



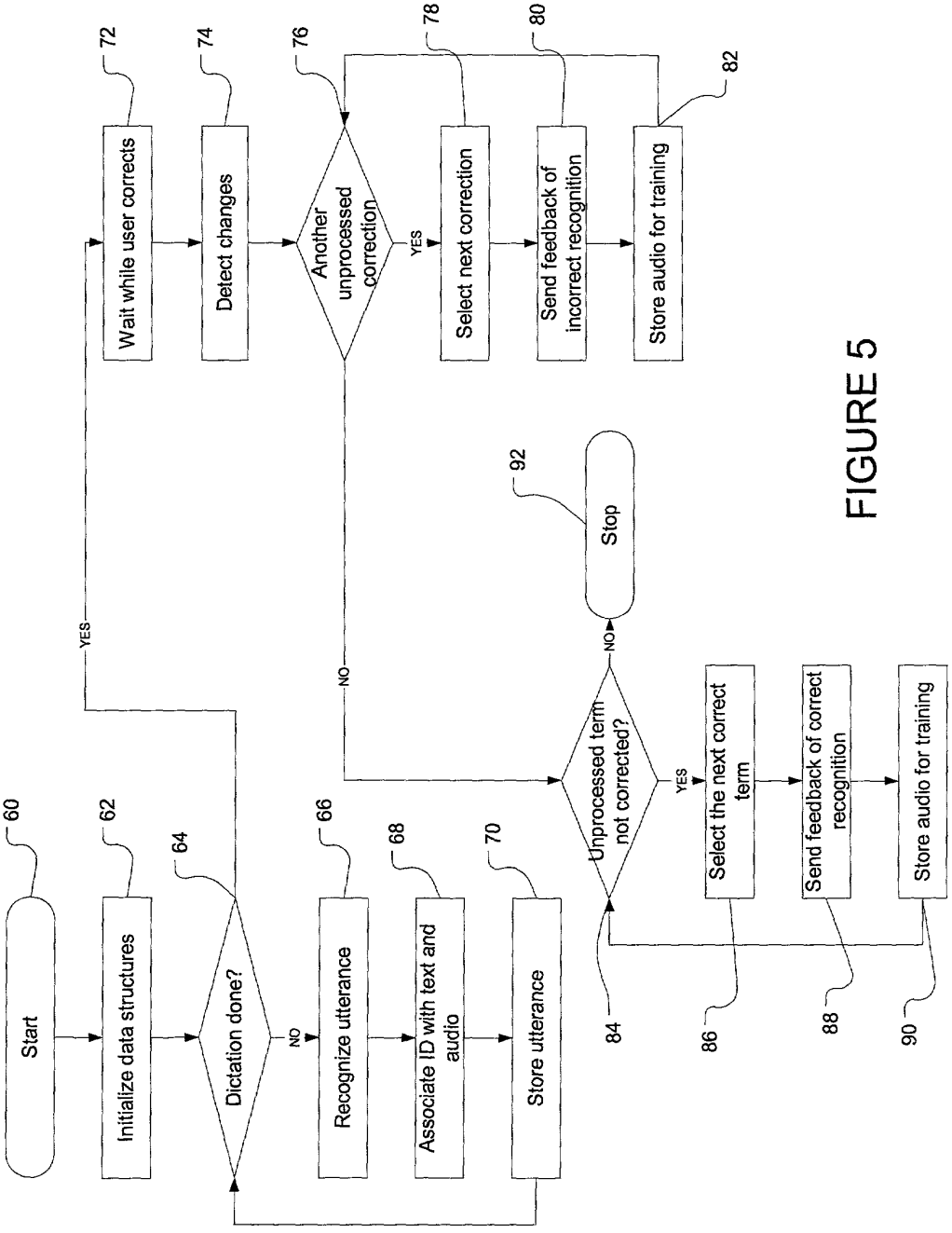

Start
60
Initialize data structures
62
Dictation done?
64
NO
YES
Recognize utterance
66
Associate ID with text and audio
68
Store utterance
70
Wait while user corrects
72
Detect changes
74
Another unprocessed correction
76
YES
NO
Select next correction
78
Send feedback of incorrect recognition
80
Store audio for training
82
Unprocessed term not corrected?
84
YES
NO
Select the next correct term
86
Send feedback of correct recognition
88
Store audio for training
90
Stop
92

FIGURE 5